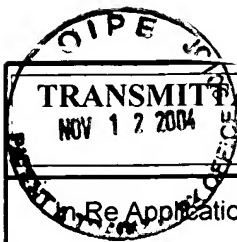


IFW

<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT</b> (Under 37 CFR 1.97(b) or 1.97(c))				<b>Docket No.</b> BUR920040134US1	
Re Application Of: Paul H. Bergeron et al.					
<b>Application No.</b> 10/711,978	<b>Filing Date</b> 10/18/2004	<b>Examiner</b> Unassigned	<b>Customer No.</b> 044152	<b>Group Art Unit</b> Unassigned	<b>Confirmation No.</b> Unassigned
<b>Title: IMPROVING SYSTEMATIC YIELD IN SEMICONDUCTOR MANUFACTURE</b>					
<p style="text-align: center;">Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450</p> <p style="text-align: center;"><b>37 CFR 1.97(b)</b></p> <p>1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.</p> <p style="text-align: center;"><b>37 CFR 1.97(c)</b></p> <p>2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:</p> <p style="padding-left: 40px;"><input type="checkbox"/> the statement specified in 37 CFR 1.97(e);</p> <p style="text-align: center;"><b>OR</b></p> <p style="padding-left: 40px;"><input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).</p>					

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

NOV 17 2004

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
BUR920040134US1

Re Application: Paul H. Bergeron et al.

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/711,978	10/18/2004	Unassigned	044152	Unassigned	Unassigned

Title: IMPROVING SYSTEMATIC YIELD IN SEMICONDUCTOR MANUFACTURE

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 09-0456 as described below.
- ☐ Charge the amount of \_\_\_\_\_
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.****Certificate of Transmission by Facsimile\***

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. _____)
_____ (Date)
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**Certificate of Mailing by First Class Mail**

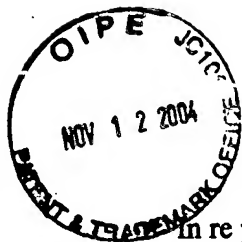
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on 11/10/04
_____ (Date)
_____ Signature of Person Mailing Correspondence
C. MUELLER Typed or Printed Name of Person Mailing Certificate

**\*This certificate may only be used if paying by deposit account.**  
\_\_\_\_\_  
Signature

Dated: 11/10/04

Richard M. Kotulak, Reg. 27712  
IP Law Dept., 972E  
IBM Corporation  
1000 River Street  
Essex Junction, VT 05452  
Telephone: 802-769-4457

CC:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of  
Paul H. Bergeron, et al.

Docket No.: BUR920040134US1

Serial No.: ~~Unassigned~~ 10/711,978

Group Art Unit: Unassigned

Filed: ~~Concurrently~~ 10/18/2004

Examiner: Unassigned

For: **IMPROVING SYSTEMATIC YIELD IN SEMICONDUCTOR MANUFACTURE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Under the provisions of 37 CFR §1.97 through §1.99 and pursuant to applicant's duty of disclosure under 37 CFR §1.56, applicant respectfully brings the following documents, listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. A copy of the non-US patent documents is enclosed for the convenience of the Examiner.

This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicant is aware.

It is respectfully requested that the listed references be considered by the Examiner and formally made of record in this application.

Respectfully submitted,

Andrew M. Calderin  
Reg. No. 33,093

McGuireWoods LLP  
1750 Tysons Boulevard, Suite 1800  
McLean, VA 22102  
(703)712-5000

\\COM451537.1

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S  
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

NOV 12 2004 Page 1 of 1

Attorney Docket No.:

BUR920040134US!

Serial No:

Unassigned

Applicant:

Paul H. Bergeron, et al.

Filing Date:

Concurrently

Group:

Unassigned

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
					<input type="checkbox"/>	<input type="checkbox"/>

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	R.L. Hunt, et al., "Automatically Rerouting Wires on Printed-Circuit Boards to Avoid Noise Coupling Problems", IBM Technical Disclosure Bulletin, Vol. 18, No. 3, August 1975, p. 762-766.
	J.Z. Su, et al., "Post-Route Optimization for Improved Yield Using a Rubber-Band Wiring Model", Computer Aided Design, 1997. Digest of Technical Papers., 1997. IEEE/ACM International Conference on Nov. 9-13, 1997, p. 700-706.
	R. Prasad, et al., "The Effect of Placement on Yield for Standard Cell Designs", url = "citeseer.ist.psu.edu/380923.html"
	A.B. Kahng, et al., "Non-Tree Routing for Reliability and Yield Improvement", Computer Aided Design, 2002. ICCAD 2002. IEEE/ACM International Conference on Nov. 10-14, 2002, p. 260-266.
	A. Venkataraman, et al., "Determination of Yield Bounds Prior to Routing", Defect and Fault Tolerance in VLSI Systems, 1999. DFT '99. International Symposium on Nov. 1999, p. 4-13.
	P. Kudva, et al., "Measurements for Structural Logic Synthesis", Computer Aided Design of Integrated Circuits and Systems, IEEE Transactions on Vol. 22, Iss. 6, June 2003, p. 665-674.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.